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1 **Queue: Volume 6 Issue 4**
◆ July 2008 issue Volume 6 Issue 4
   Publisher: ACM
   Full text available: ▢ Digital Edition , 🔲 Pdf (6.13 MB) Additional Information: full citation, abstract

   Bibliometrics: Downloads (6 Weeks): 78,   Downloads (12 Months): 78,   Citation Count: 0
      Flash is growing from mere curiosity to a new tier in the storage hierarchy.

2 **Exploiting perception in high-fidelity virtual environments**
◆ **Additional presentations from the 24th course are available on the citation page**
   Mashhuda Glencross, Alan G. Chalmers, Ming C. Lin, Miguel A. Otaduy, Diego Gutierrez
   July 2006   SIGGRAPH '06: ACM SIGGRAPH 2006 Courses
   Publisher: ACM

   Full text available: ◌ Mov (68:6 MIN), 🔲 Pdf (5.07 MB) Additional Information: full citation, appendices and supplemen
                                                                      references, cited by, index terms

   Bibliometrics: Downloads (6 Weeks): 199,   Downloads (12 Months): 1547,   Citation Count: 1
      The objective of this course is to provide an introduction to the issues that must be considered v
      building high-fidelity 3D engaging shared virtual environments. The principles of human percept
      important development of algorithms and techniques ...

      Keywords: collaborative environments, haptics, high-fidelity rendering, human-computer intera
      multi-user, networked applications, perception, virtual reality

3 **Communications of the ACM: Volume 51 Issue 1**
◆ January 2008 issue Volume 51 Issue 1
   Publisher: ACM
   Full text available: ▢ Digital Edition , 🔲 Pdf (5.97 MB) Additional Information: full citation, index terms

   Bibliometrics: Downloads (6 Weeks): 533,   Downloads (12 Months): 3921,   Citation Count: 0

4 **A survey on peer-to-peer key management for mobile ad hoc networks**
◆ Johann Van Der Merwe, Dawoud Dawoud, Stephen McDonald
   April 2007   ACM Computing Surveys (CSUR), Volume 39 Issue 1
   Publisher: ACM
   Full text available: 🔲 Pdf (872.71 KB)   Additional Information: full citation, abstract, references, index terms

   Bibliometrics: Downloads (6 Weeks): 137,   Downloads (12 Months): 1705,   Citation Count: 1
      The article reviews the most popular peer-to-peer key management protocols for mobile ad hoc

(MANETs). The protocols are subdivided into groups based on their design strategy or main char
The article discusses and provides comments ...

Keywords: Mobile ad hoc networks, pairwise key management, peer-to-peer key management

5   **Communications of the ACM: Volume 51 Issue 5**
May 2008   issue   Volume 51 Issue 5
Publisher: ACM
Full text available: Digital Edition ,   Pdf (7.28 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 493,   Downloads (12 Months): 1030,   Citation Count: 0

6   **interactions: Volume 15 Issue 1**
January 2008 issue   Volume 15 Issue 1
Publisher: ACM
Full text available: Digital Edition ,   Pdf (9.79 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 321,   Downloads (12 Months): 698,   Citation Count: 0

7   **GPGPU: general purpose computation on graphics hardware**
David Luebke, Mark Harris, Jens Krüger, Tim Purcell, Naga Govindaraju, Ian Buck, Cliff Woolley, Aa
August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes
Publisher: ACM
Full text available: Pdf (63.03 MB)   Additional Information: full citation, abstract, cited by

Bibliometrics: Downloads (6 Weeks): 171,   Downloads (12 Months): 1419,   Citation Count: 3

The graphics processor (GPU) on today's commodity video cards has evolved into an extremely
and flexible processor. The latest graphics architectures provide tremendous memory bandwidth
computational horsepower, with fully programmable vertex ...

8   **Graphical query interfaces for semistructured data: the QURSED system**
Michalis Petropoulos, Yannis Papakonstantinou, Vasilis Vassalos
May 2005   ACM Transactions on Internet Technology (TOIT),   Volume 5 Issue 2
Publisher: ACM
Full text available: Pdf (6.88 MB)   Additional Information: full citation, abstract, references, index terms

Bibliometrics: Downloads (6 Weeks): 14,   Downloads (12 Months): 84,   Citation Count: 1

We describe the QURSED system for the declarative specification and automatic generation of W
query forms and reports (*QFR*s) for semistructured XML data. In QURSED, a *QFR* is formally des
its query set specification (*QSS*) ...

9   **Communications of the ACM: Volume 51 Issue 9**
September 2008 issue   Volume 51 Issue 9
Publisher: ACM
Full text available: Digital Edition ,   Pdf (8.68 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 13658,   Downloads (12 Months): 13658,   Citation Count: 0

10 **Charles W. Bachman interview: September 25-26, 2004; Tucson, Arizona**

Thomas Haigh
January 2006 ACM Oral History interviews
Publisher: ACM
Full text available: Pdf (974.87 KB)   Additional Information: full citation, abstract, index terms

Bibliometrics: Downloads (6 Weeks): 81, Downloads (12 Months): 507, Citation Count: 0

Charles W. Bachman reviews his career. Born during 1924 in Kansas, Bachman attended high sc
East Lansing, Michigan before joining the Army Anti Aircraft Artillery Corp, with which he spent t
in the Southwest Pacific Theater, during ...

11 Communications of the ACM: Volume 51 Issue 7
July 2008   issue   Volume 51 Issue 7
Publisher: ACM
Full text available: Digital Edition , Pdf (6.54 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 3973, Downloads (12 Months): 4442, Citation Count: 0

12 Queue: Volume 6 Issue 3
May 2008   issue   Volume 6 Issue 3
Publisher: ACM
Full text available: Digital Edition , Pdf (5.56 MB) Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): 163, Downloads (12 Months): 243, Citation Count: 0

13 Communications of the ACM: Volume 51 Issue 2
February 2008 issue   Volume 51 Issue 2
Publisher: ACM
Full text available: Digital Edition , Pdf (3.89 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 316, Downloads (12 Months): 2233, Citation Count: 0

14 A gentle introduction to bilateral filtering and its applications
Sylvain Paris
August 2007 SIGGRAPH '07: ACM SIGGRAPH 2007 courses
Publisher: ACM
Full text available: Mov (100:20 MIN), Pdf (27.35 MB) Additional Information: full citation, abstract

Bibliometrics: Downloads (6 Weeks): 81, Downloads (12 Months): 663, Citation Count: 0

- Image-based modeling and photo editing *Oh et al.* ACM SIGGRAPH conference (c) 2001, Assoc
Computing Machinery, Inc. Reprinted by permission. http://doi.acm.org/10.1145/383259.38331
bilateral filtering for the display of high-dynamic-range ...

15 Projectors: advanced graphics and vision techniques
Ramesh Raskar
August 2004 SIGGRAPH '04: ACM SIGGRAPH 2004 Course Notes
Publisher: ACM
Full text available: Pdf (6.53 MB)   Additional Information: full citation, cited by

Bibliometrics: Downloads (6 Weeks): 70, Downloads (12 Months): 639, Citation Count: 1

16 External memory algorithms and data structures: dealing with massive data
Jeffrey Scott Vitter
June 2001   ACM Computing Surveys (CSUR),   Volume 33 Issue 2
Publisher: ACM
Full text available: Pdf (828.46 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 132,   Downloads (12 Months): 911,   Citation Count: 77

Data sets in large applications are often too massive to fit completely inside the computers inter
memory. The resulting input/output communication (or I/O) between fast internal memory and
external memory (such as disks) can be a major performance …

Keywords: B-tree, I/O, batched, block, disk, dynamic, extendible hashing, external memory, h
memory, multidimensional access methods, multilevel memory, online, out-of-core, secondary s
sorting

17 Spoken dialogue technology: enabling the conversational user interface
Michael F. McTear
March 2002 ACM Computing Surveys (CSUR),   Volume 34 Issue 1
Publisher: ACM
Full text available: Pdf (987.69 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 127,   Downloads (12 Months): 737,   Citation Count: 19

Spoken dialogue systems allow users to interact with computer-based applications such as datal
expert systems by using natural spoken language. The origins of spoken dialogue systems can k
back to Artificial Intelligence research in the …

Keywords: Dialogue management, human computer interaction, language generation, languag
understanding, speech recognition, speech synthesis

18 ACM SIGACT News: Volume 36 Issue 1
March 2005 issue   Volume 36 Issue 1
Publisher: ACM
Additional Information: full citation, index terms

Bibliometrics: Downloads (6 Weeks): n/a,   Downloads (12 Months): n/a,   Citation Count: 0

19 interactions: Volume 15 Issue 3
May 2008   issue   Volume 15 Issue 3
Publisher: ACM
Full text available: Digital Edition , Pdf (7.95 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 209,   Downloads (12 Months): 539,   Citation Count: 0

20 Hancock: A language for analyzing transactional data streams
Corinna Cortes, Kathleen Fisher, Daryl Pregibon, Anne Rogers, Frederick Smith
March 2004 ACM Transactions on Programming Languages and Systems (TOPLAS),   Volume
Publisher: ACM
Full text available: Pdf (217.55 KB)   Additional Information: full citation, abstract, references, cited by, index te

Bibliometrics: Downloads (6 Weeks): 12,   Downloads (12 Months): 159,   Citation Count: 1

Massive transaction streams present a number of opportunities for data mining techniques. The
transactions in such streams might represent calls on a telephone network, commercial credit ca

purchases, stock market trades, or HTTP requests to a web ...

Keywords: Domain-specific languages, data mining, statistical models

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